Abstracts

A High Power 2-18 GHz T/R Switch (1990 Vol. I [MWSYM])

M.J. Schindler and T.E. Kazior. "A High Power 2-18 GHz T/R Switch (1990 Vol. I [MWSYM])." 1990 MTT-S International Microwave Symposium Digest 90.1 (1990 Vol. I [MWSYM]): 453-456.

A high power 2-18 GHz T/R switch MMIC has been developed for use in broadband T/R modules. This switch has power handling better than 35 dBm (3.2 watts), 8 dB higher than any previously reported broadband switch. A combination of techniques was used to yield higher power handling while preserving low loss and high isolation. These circuit techniques include: asymmetrical design of the Transmit and Receive arms; the use of dual-gate FETs for handling large voltages, and the use of large FET peripheries for handling large currents.

❑ Return to main document.